

ANKFY1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP4704b**Specification**

ANKFY1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O9P2R3](#)**ANKFY1 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 51479

Other Names

Rabankyrin-5, Rank-5, Ankyrin repeat and FYVE domain-containing protein 1, Ankyrin repeats hooked to a zinc finger motif, ANKFY1, ANKHZN, KIAA1255

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ANKFY1 Antibody (C-term) Blocking Peptide - Protein Information

Name ANKFY1

Synonyms ANKHZN, KIAA1255

Function

Proposed effector of Rab5. Binds to phosphatidylinositol 3- phosphate (PI(3)P). Involved in homotypic early endosome fusion and to a lesser extent in heterotypic fusion of clathrin-coated vesicles with early endosomes. Involved in macropinocytosis; the function is dependent on Rab5-GTP. Required for correct endosomal localization. Involved in the internalization and trafficking of activated tyrosine kinase receptors such as PDGFRB. Regulates the subcellular localization of the retromer complex in a EHD1-dependent manner. Involved in endosome-to-Golgi transport and biosynthetic transport to late endosomes and lysosomes indicative for a regulation of retromer complex-mediated retrograde transport.

Cellular Location

Cytoplasm. Endosome membrane; Peripheral membrane protein. Early endosome. Note=Also associated with endosomal membranes. Localizes to macropinosomes.

Tissue Location

High expression in whole adult brain and intermediate expression in all other tissues and specific

brain regions examined, including fetal brain.

ANKFY1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ANKFY1 Antibody (C-term) Blocking Peptide - Images

ANKFY1 Antibody (C-term) Blocking Peptide - Background

ANKFY1 encodes a cytoplasmic protein that contains a coiled-coil structure and a BTB/POZ domain at its N-terminus, ankyrin repeats in the middle portion, and a FYVE-finger motif at its C-terminus. This protein belongs to a subgroup of double zinc finger proteins which may be involved in vesicle or protein transport.

ANKFY1 Antibody (C-term) Blocking Peptide - References

Bouslam, N., et al. Hum. Genet. 121 (3-4), 413-420 (2007) Schnatwinkel, C., et al. PLoS Biol. 2 (9), E261 (2004)